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**(54) POLYESTER-BASED ULTRAFINE FIBER WEB  
HAVING LOW SHRINKAGE AND ITS  
PRODUCTION**

**(57) Abstract:**

**PURPOSE:** To obtain the subject fiber web having low thermal shrinkage.

**CONSTITUTION:** This fiber web is obtained by collecting polyester-based ultrafine fibers. The polyester-based ultrafine fibers consist of an amorphous polyester and a crystalline polyolefin, the former forms a matrix and the latter disperses in the matrix. The average diameter

of the polyester-based ultrafine fibers is 0.5-10.0 $\mu$ m. The fiber web can be produced by adopting the conventional well-known melt blown method. Namely, a molten resin of the blend of polyester with polyolefin is delivered from a nozzle attached to a spinneret. The delivered molten resin is sprayed with a high-speed and high-temperature gas and the molten resin is thinned to give polyester-based ultrafine fibers. The fibers are transported onto a collecting material by the high-speed and high-temperature gas and collected to give the objective polyester-based ultrafine fiber web.

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